

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/050617

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G10L21/04 H03H17/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G10L H03H H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 865 026 A (GRUNDIG AG) 16 September 1998 (1998-09-16) page 2, line 47 - page 3, line 33	1-14
X	US 6 252 919 B1 (LIN TAO) 26 June 2001 (2001-06-26) column 1, line 32 - line 43 column 3, line 21 - line 28 figures 3,4a,4b	1-14
A	US 5 687 240 A (YOSHIDA AKIRA ET AL) 11 November 1997 (1997-11-11) column 8, line 17 - line 25 column 9, line 21 - line 27 figures 1,4,6,7	1-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

4 October 2004

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14/10/2004

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0865026	A	16-09-1998	DE 19710545 C1 AT 255763 T DE 59810302 D1 EP 0865026 A2	04-12-1997 15-12-2003 15-01-2004 16-09-1998
US 6252919	B1	26-06-2001	NONE	
US 5687240	A	11-11-1997	JP 3296648 B2 JP 7152379 A KR 192198 B1	02-07-2002 16-06-1995 15-06-1999